

Converting Colors

$Y_{xy}(29.5676, 0.2559, 0.2148)$

Have a look what the booklet for
Yxy(29.5676, 0.2559, 0.2148)
contains.

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Color

Yxy(29.4719, 0.2557, 0.2142)

Conversions

Conversions Part 1

Format	Color
Hex	9A87DE
RGB	154, 135, 222
RGB Percent	60%, 53%, 87%
CMY	0.3959, 0.4706, 0.1294
CMYK	0.31, 0.39, 0.00, 0.13
HSL	253°, 57%, 70%
HSV	253°, 39%, 87%
XYZ	35.1819, 29.4719, 72.9368
YIQ	150.5990, -16.6030, 31.0850

Conversions

Conversions Part 2

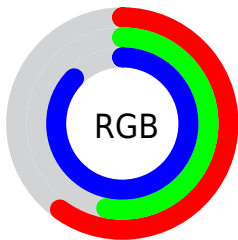
Format	Color
RYB	154, 135, 222
Decimal	10127326
CIELab	61.20, 26.26, -41.90
CIELCh	61, 49.448, 302.079
Yxy	29.4719, 0.2557, 0.2142
Android (android.graphics.Color)	4288317406 (0xFF9A87DE)
YUV	150.5990, 35.2007, 2.9827
Hunter-Lab	54.2880, 20.6747, -41.6554

Details

The Yxy color $29.4719, 0.2557, 0.2142$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $66.6740, 0.3563, 0.4311$, and the grayscale version is $30.6227, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.8881, 0.2823, 0.2565$, and $11.9595, 0.2370, 0.1842$ is the 20% darker color. If you saturate the color by 10%, you get $22.3311, 0.2375, 0.1808$, and if you desaturate by 10%, it is $38.1519, 0.2727, 0.2469$.

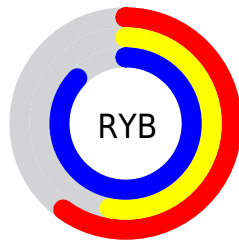
Distribution



Red (60%)

Green (53%)

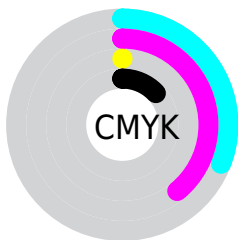
Blue (87%)



Red (60%)

Yellow (53%)

Blue (87%)

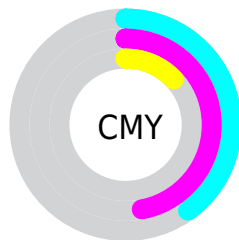


Cyan (31%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (40%)

Magenta (47%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4719, 0.2557, 0.2142 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.4719, 0.2557, 0.2142 by changing the saturation by 10% instead.

■ 29.4719, 0.2557,
0.2142

■ 29.4719, 0.2557,
0.2142

■ 299.4350, 0.2865,
0.2707

■ 19.4381, 0.2475,
0.2007

■ 58.8260, 0.2673,
0.2343

■ 11.9873, 0.2368,
0.1839

■ 78.9151, 0.2715,
0.2420

■ 6.7350, 0.2223,
0.1625

■ 103.1247, 0.2751,
0.2486

■ 3.2969, 0.2019,
0.1348

■ 131.8393, 0.2781,
0.2542

■ 1.2886, 0.1720,
0.0987

■ 165.4433, 0.2806,
0.2592

■ 0.1324, 0.1303,
0.0225

■ 204.3209, 0.2828,

■ 0.0000, 0.0000,

0.2635

0.0000

248.8567, 0.2848,
0.2673

■ 29.4719, 0.2557,
0.2142

■ 29.4719, 0.2557,
0.2142

■ 22.3311, 0.2375,
0.1808

■ 38.1519, 0.2727,
0.2469

■ 16.6348, 0.2188,
0.1483

■ 48.4516, 0.2882,
0.2776

■ 12.2828, 0.2007,
0.1188

■ 60.4496, 0.3018,
0.3057

■ 9.1605, 0.1845,
0.0945

■ 74.2186, 0.3136,
0.3309

■ 7.1334, 0.1711,
0.0770

■ 89.8269, 0.3238,
0.3533

■ 5.9919, 0.1613,
0.0666

■ 98.0536, 0.3322,
0.3611

■ 5.9180, 0.1607,
0.0659

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.4719, 0.2023, 0.2095



29.4719, 0.2557, 0.2142



29.4719, 0.3326, 0.2417

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.4719, 0.2557, 0.2142



29.4719, 0.4665, 0.4011



29.4719, 0.2157, 0.3676

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.4719, 0.2557, 0.2142



66.6740, 0.3563, 0.4311

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.4719, 0.2786, 0.4471



29.4719, 0.2557, 0.2142



29.4719, 0.4240, 0.4534

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.4719, 0.2557, 0.2142



29.4719, 0.4646, 0.3425



29.4719, 0.3549, 0.4778



29.4719, 0.1812, 0.2854

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.4719, 0.2557, 0.2142



29.4719, 0.3879, 0.2703



29.4719, 0.3549, 0.4778



29.4719, 0.2340, 0.3969

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.4730, 0.2557, 0.2142



77.7533, 0.2980, 0.2978



53.2023, 0.2550, 0.3044



16.1700, 0.2963, 0.2942



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4730, 0.2557, 0.2142



32.2104, 0.2409, 0.1869



34.5140, 0.2941, 0.2258



13.3874, 0.3014, 0.3050



3.5555, 0.1618, 0.0665



0.2857, 0.1766, 0.0747

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.1607, 0.3354, 0.2515



44.2720, 0.3417, 0.2362



61.4245, 0.3237, 0.4427



13.8815, 0.3171, 0.3109



11.0415, 0.3852, 0.1896



0.7782, 0.3734, 0.1830

Previews

White Background



This preview shows how the Yxy color 29.4719, 0.2557, 0.2142 looks on a white background.

Color Contrast Check

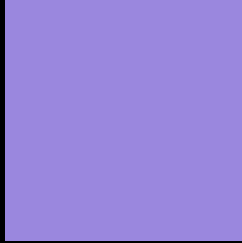
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.4719, 0.2557, 0.2142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

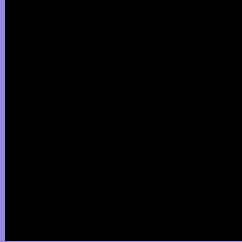
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4719, 0.2557, 0.2142

Background



This preview shows how black text looks on a background with the Yxy color 29.4719, 0.2557, 0.2142.



This preview shows how white text looks on a background with the Yxy color 29.4719, 0.2557, 0.2142.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.4719, 0.2557, 0.2142

Protanopia

29.6770, 0.2254, 0.2117

Deuteranopia

29.6949, 0.2318, 0.2262



Tritanopia

29.3806, 0.2946, 0.3101

Trichromacy



Original Color

29.4719, 0.2557, 0.2142

Protanomaly

29.3416, 0.2353, 0.2118

Deuteranomaly

29.5581, 0.2398, 0.2218

Tritanomaly

29.1748, 0.2792, 0.2695

Monochromacy



Original Color

29.4719, 0.2557, 0.2142

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.1005, 0.2901, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4719, 0.2557, 0.2142 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(154, 135, 222)` looks like.

```
.text, #text, p{  
    color:rgb(154, 135, 222)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(154, 135, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 135, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.4719, 0.2557, 0.2142 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(154, 135, 222) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(154, 135, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(154, 135, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 135, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 135, 222);  
box-shadow:4px 4px 4px 4px rgb(154, 135,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4719, 0.2557, 0.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 135, 222) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(154,  
135, 222) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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